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TOWNSEND and TOWNSEND and CREW LLP

By: /Aaron Hokamura/

**PATENT**  
Attorney Docket No.: 082368-006600US  
Client Reference No.: M3-A0301Y1P-US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

Yousuke EBINA et al.

Application No.: 10/554,561

Int'l Application No.: PCT/JP04/05412

Int'l Filing Date: April 15, 2004

For: METHODS FOR MEASURING  
THE INSULIN RECEPTOR ALPHA  
SUBUNIT

Confirmation No.:

Examiner:

Art Unit:

**INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR §1.97 and  
§1.98**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of references AC-AE and AH-AK are enclosed. Copies of references AA, AB, AF and AG are not enclosed since they were cited in the International Search Report and/or the International Preliminary Report on Patentability issued in the corresponding PCT application, and, as such, should have been provided directly by WIPO under the exchange program between the USPTO, the EPO and the JPO. A copy of the International Search Report and the International Preliminary Report on Patentability are enclosed.

References AA, AB and AG are not in the English Language. Reference AA (JP 8-103280) is categorized as an "A" document on the enclosed International Search Report.

References AB (JP 2003-337131) and AG (Kikuchi *et al.*) are each cited as both "P" and "X" documents on the International Search Report. References AB and AG are also cited on the International Preliminary Report on Patentability.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

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Substitute for form 1449A&B/PTO				<i>Complete If Known</i>	
				Application Number	10/554,561
				Filing Date	April 15, 2004
				First Named Inventor	Ebina, Yousuke
				Art Unit	
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	082368-006600US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>4</sup>	Number <sup>4</sup>				
AA	JP	B-103280		A 04-23-1996	Otsuka Pharmaceutical Co., Ltd		<input type="checkbox"/>
AB	JP	2003-337131		A 11-28-2003	Jenapharm GmbH & Co. KG		<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS							
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					T <sup>2</sup>
	AC	BARON, Andre T. et al.; "Soluble epidermal growth factor receptor (sEGFR/sErbB1) as a potential risk marker, screening, and diagnostic serum biomarker of epithelial ovarian cancer"; <i>Cancer Epidemiology, Biomarkers &amp; Prevention</i> 12:103-113 (February 2003)					<input type="checkbox"/>
	AD	BEGUIN, Yves; "Soluble transferring receptor for the evaluation of erythropoiesis and iron status"; <i>Clinica Chimica Acta</i> 329:9-22 (2003)					<input type="checkbox"/>
	AE	FRODE, Tania Silvia et al.; "Tumour necrosis factor- $\alpha$ , interleukin-2 soluble receptor and different inflammatory parameters in patients with rheumatoid arthritis"; <i>Mediators of Inflammation</i> 11:345-349 (2002)					<input type="checkbox"/>
	AF	KANEZAKI, Yoshiko et al.; "Injection of the insulin receptor subunit increased blood glucose levels in mice"; <i>Biochem Biophys Res. Commun.</i> 309:572-577 (2003)					<input type="checkbox"/>
	AG	KIKUCHI, Kunimori et al.; "Saibo seicho inshi receptor to gan idenshi sanbutsu (II) insulin receptor"; <i>Tanpakushitsu Kakusan Koso (Protein, Nucleic Acid and Enzyme)</i> 30(13):1388-1393 (1985)					<input type="checkbox"/>
	AH	SCHAEFER, Erik M. et al.; "A new transgenic mouse model of chronic hyperglycemia"; <i>Diabetes</i> 43:143-153 (January 1994)					<input type="checkbox"/>
	AI	SHIMADA, Fumiyo et al.; "Insulin-resistant diabetes associated with partial deletion of insulin-receptor gene"; <i>The Lancet</i> 335:1179-1181 (May 19, 1990)					<input type="checkbox"/>

Examiner Signature		Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A&B/PTO				Complete If Known	
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		Filing Date	April 15, 2004		
		First Named Inventor	Ebina, Yousuke		
		Art Unit			
		Examiner Name			
Sheet	2	of	2	Attorney Docket Number	082368-006600US

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Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>	<input type="checkbox"/>
	AJ	TAIRA, Masato et al.; "Human diabetes associate with a deletion of the tyrosine kinase domain of the insulin receptor"; <i>Science</i> 245:63-66 (July 7, 1989)		<input type="checkbox"/>
	AK	TAYLOR, Simeon I.; "Lilly lecture: Molecular mechanisms of insulin resistance: Lessons from patients with mutations in the insulin-receptor gene"; <i>Diabetes</i> 41:1473-1490 (1992)		<input type="checkbox"/>

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